

FIGURE 1

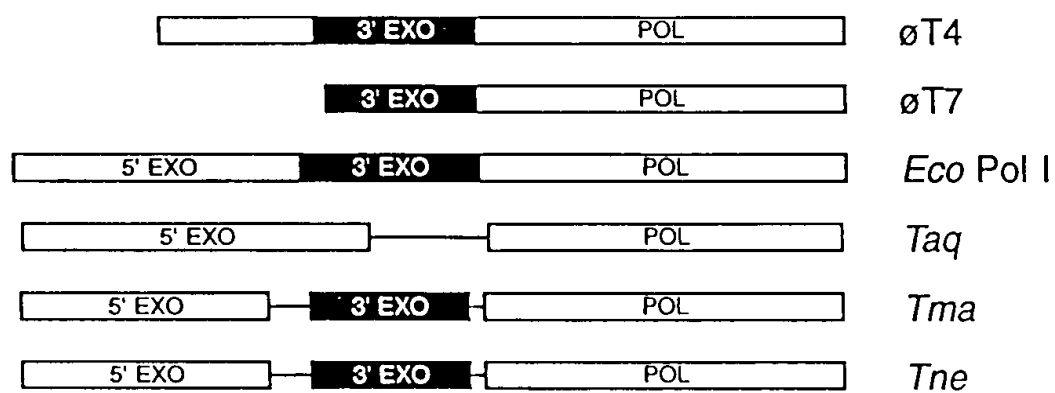


FIGURE 2

| | Exo I | | | | Exo II | | Exo III | | | |
|-------------------------------|-------|---------|-------------|----------|----------|-----------|-----------|-----|----------|-----------|
| | | | Δ | Δ | ∇ | | ∇ | | Δ | Δ |
| <i>Bsu</i> Pol III | 419 | ETVV-VF | VDVETTG | LSAVY | 502 | LVAHN-A-S | FDMGFLN | 552 | TLCKKF-D | IELTQH |
| <i>Eco</i> Pol III ϵ | 6 | TRQI-VL | DTETTG | MNQIG | 95 | LVTHN-AA- | FDIGFMD | 147 | ALCARY-E | IDNSKR |
| \emptyset T4 | 182 | RVIYMP | FDNERDM | LMEYI | 210 | FTGWN I- | EGFDVPYIM | 332 | DKIRGE-- | IDLVL |
| \emptyset T7 | 1 | ---MIVS | DIKANALLESV | | 57 | V-FHNGH- | KYDVPALT | 165 | EEMMDYN | VQDVVVT |
| <i>Eco</i> Pol I | 348 | KAPVFA | FDTETDS | LDNIS | 417 | V-GQNL-- | KYDRGILA | 492 | EEAGRYA | EADADVT |
| <i>Tma</i> | 316 | ESPSFA | IDLETSS | LDPFD | 382 | V-GQNL-- | KEDYKVL M | 459 | EKAANY | SCEADADIT |
| <i>Tne</i> | 316 | EVPSFA | IDLETSS | LDPFN | 382 | V-GQNL-- | KYDYKVL M | 459 | DKAANY | SCEADADIT |

FIGURE 3

1 MVOIPQNPILVDCSSYIYRAYHAF-PPLINSAGPTICAMYGVLNMLRSIIMOY---KPTHAAVWFDKCKTFRDELFEH Eco
1 MAR-----LFLFDGTALAYRAYYALDRSLSTSTGIPINATYGVARMLVRFIKDHIIVGKDYVAVAFDKKAATFRHKLEFI Tma
1 MAR-----LFLFDGTALAYRAYYALDRSLSTSTGIPINAVYGVARMLVKFIKEHI IPEKDYAAVAFDKKAATFRHKLEA The

77 YKSHRPMPDILRAOTEPHAMVKANGPLIIVSGVEADDVICTLAAREAAGRPVLIISTGDKIMQOLVTPNITL---IN Eco
76 YKAQRPKTPDLLIQQLPYIKKIVEALGKVKLEVEGYEADDI IATLAVKGGLPIFDEIFIVTGDKIMQLVNEKIKVWRIVK Tma
76 YKAQRPKTPDLLVQQLPYIKRLIEALGFKVLELEGYEADDI IATLAVKGCTFFDEIFIITGDKIMQLVNEKIKVWRIVK The

154 IWINITIL-GPEEVWVKYGVPEPEI IIDEALALVGDSSDNIPGVVGVGEKTAQALLQGLGGLDTLYAEFEKTAGLSERCAKIM Eco
156 GISDLELYDAQKVKEKYGVPEQIIPDLLALTGDEIDNIPGVVGIGEKTAQVQLLEKYKLEDITL---NHVRELPOKVRKA Tma
156 GISDLELYDSKKVKERYGVPEPHQIPDLLALTGDEIDNIPGVVGIGEKTAQVQLLGKYRNLEDITL---EHARELPQVRKA The

233 AAKLEONKEVALSLYGLATIKTDVELELTCEOLEVOOPAABELLGLKKYEFKRWTADEACKWLOAKGAKPAAKPOETS Eco
232 ---LLRDREVAIILSKKLATILETNVPIEINWEBLRYGYDREKLLPILKELEF-----ASIMKELQ Tma
232 ---LLRDREVAIILSKKLATLVINAPVEVDWEEMKYRGYDKRKLPLILKELEF-----ASIMKELQ The

313 VADEAPEVTATVISYDNYVTILDEETLKAMIAKLEKAPVFAEDTETDSDLNISANIVGLSFAIEFGVAAYIIPVAHDYLD Eco
289 LYEESEPVG-----YRIVKDLVEFEKLEIEKRESPSFADLETSSLDPFDDIVGISVSFKPKKAYYIPLHHR---N Tma
289 LYEEAEPTG-----YEIVKDHKTFFEDLIEKLEKVPFSFALDLETSSLDPFNCEIVGISVSFKPKTAYYIPLHHR---N The

393 PDOISRERAEILKPLILEDEKALKVGNLKYDRGILANYGIELRGIAFDIMLESYILNSVAGRHDMDSLAERALKKTTT Eco
358 AQNLDEKEVLKLEKEILEDPEAKTIVGNLKYDYKVLVMVKGVEPVPPYFDIMIAAYLLEPNKKFNLDLALKFLGYKMTS Tma
358 AQNLDETIVLSKLKEILEDPSKIVGNLKYDYKVLVMVKGISPVPYPHFDIMIAAYLLEPNKKFNLEDLSLKFLGYKMTS The

473 FEPILAGKGN--OLTFNOTALEEAGRYAEDADVILGLILKMWPDLOKHKGPLNVFENIEMPLVEVLSPRIERNGVKID Eco
438 YQELMSFSPLFGFSFADVPVEKAANYSCEDADITYRLYKIL--SUKLHEADLENVFIEMPLVNVLARMELNGVYVDT Tma
438 YQELMSFSPLFGFSFADVPVDKAANYSCEDADITYRLYKIL--SMKLHEADLENVFIEMPLVNVLARMELNGVYVDT The

550 KVLHNFSEELTIRLAELEKKAHEIAGEEFNLSSIKQLOTLFEKOGIKPL-KKTEGGAFSTSEEVLEEALDYPLPKVIL Eco
516 EFLKKLSEEYGKKLEELAEIYRIAGEFPNINSPKQVSRILFEKLGIKPRGKTTKTGYSTRIEVLEEIAGEHEIPLIL Tma
516 EFLKKLSEEYGKKLEELAEKIYQIAGEFPNINSPKQVSKILFEKLGIKPRGKTTKTGAYSTRIEVLEEIANEHEITVPLIL The

629 EYRGLAKLKSTYIDKLPVNPKNPKTGRIHSHQVATGRLSSIDPNLQNLVVRNEEGRRIRCAFTAPE-DYVIVTSADYS Eco
596 EYRKIQKLKSTYIDALPKVNPKNPKTGRIHSHQVATGRLSSIDPNLQNLPTKSEEGKEIRKATVPQDPDWWIVTSADYS Tma
596 EYRKIQKLKSTYIDTLPKLVNPKNPKTGRIHSHQVATGRLSSIDPNLQNLPTKSEEGKEIRKATVPQDPDWWIVTSADYS The

708 QIELRILAHLSRDKGLIATAFECKDTHRATAAEVFGPLIETVITSEORRSKATINFGIYGVMSAFGLAROLNIPRKEACKV Eco
676 QIELRILAHLSGDNILRAFEEGIDVHTLTASRIINVKPEEVIEEMRRAGKMVNFSIYGVTPYGLSVRLGIPVKEAEKM Tma
676 QIELRILAHLSGDNILVKAFEEGIDVHTLTASRIYNVKPEEVNEEMRRVGMVNFSIYGVTPYGLSVRLGIPVKEAEKM The

788 MDLYFERYPVLEVMERIRACAKEOGYVETLIGRILYIEDIKSSNGARRAAERAAINAPVQGTAAADI IKRAMIADVDAAL Eco
756 IIVNYFVLYPKVRDYIQVVSSEAKEKGYVRTLFGKRKRDIPQLMARDNTQAEGERIAINTPIQGTAAADI IKLAMIDEIDREL Tma
756 IISYFTLYPKVRSYIQQVVAEAKEKGYVRTLFGKRKRDIPQLMARDNTQSEGERIAINTPIQGTAAADI IKLAMIDEIDEL The

868 QAEQPRVRMITQVHDELVFEVHKDDVDVAKOIHOLMENCTRLDVPLIVEVSGENWDOAH. Eco
836 KERRMSRMI IQVHDELVFEVPEEKDALVPLVKDRMTNVVKSVPLEVDVIGKWS. Tma
836 RKRNMKSRI IQVHDELVFEVPEEKEELVDLVKNKMTNVVKSVPLEVDISIGKWS. The

FIGURE 4

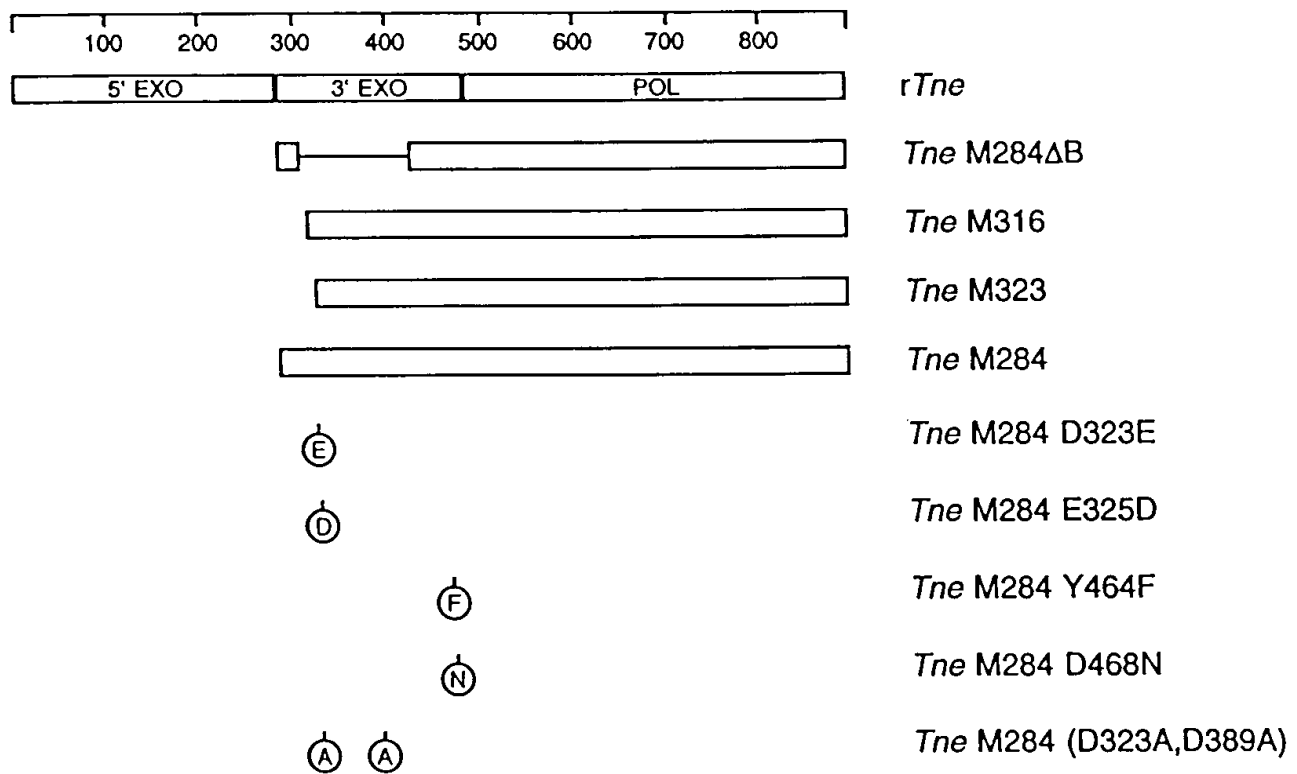
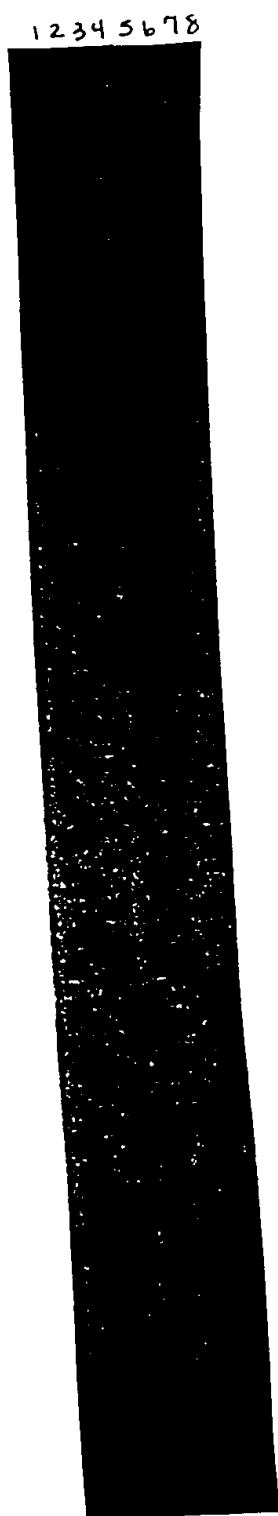


FIGURE 5

A



B



FIGURE 6

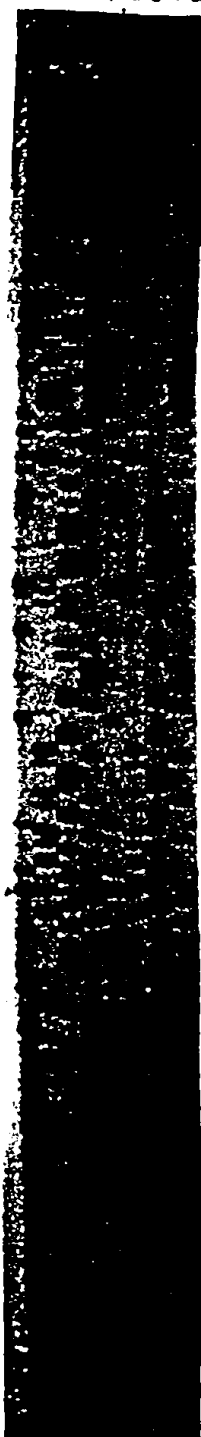
A

1 2 3 4 5 6 7 8



B

1 2 3 4 5 6 7 8



C

1 2 3 4 5 6 7 8

